This Page Is Inserted by IFW Operations and is not a part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

IMAGES ARE BEST AVAILABLE COPY.

As rescanning documents will not correct images, please do not report the images to the Image Problem Mailbox.

Figure 1A

9810	ouse NADE	-	1 MANUMENEEMEQPLQNGEEDRPVGGGEGHQPAGNNNNNHNHNHNHHRR
uman	uman NADE	+ -1	
ouse	ouse NADE	51	51 GOARRLAPNFRWAIPNROMNDGLGGDGDDMEMFMEEMREIRRKLRELOLR
uwan	umen NADE	38	
ouse	ouse NADE	101	101 NCLARILMGELSNHHDHHDEFCLMP 124
		C	OF NOT DIT WORL CANUDALIDATE OF MD 111

cZyxin	319-331		<u>L</u>	T	M	K	E	V	E	E	L	E	L	L	T
MAPKK	32- 44		A	L	Q	K	K	L	E	E	L	E	L	D	E
pKI-α	37- 46			正	A	L	K	L	A	G	L	D	I	ł	
TFII A	330-338				L	P	v	L	E	N	L	T	L		
	73- 81				<u>-</u>	P	P	L	E	R	L	T	ᆫ		
RevHIV-1			T.P	v	=		_			A	L	s	v	R	
RanBP1	178-189		r	_	n	منا		l _	ŧ		1				
FMRP	425-437	E	V	D	Q	<u>L</u>	R	L	E	R	L	Q	I	D	
Glel	351-356					<u>L</u>	P	L	G	K	L	T	L		
RexHTLV-1	81- 94	A	L	S	A	Q	L	Y	S	S	L	S	L	D	S
human NADE	65- 77	R		I		R	K	L	R	E	L	Q	L	R	
mouse NADE	88-100	R	E	I	R	R	K	L	R	E	L	Q	L	R	
1110000				_					_			_		•	

Figure 1B

PCT/US00/15621

3/29

	Box 1	Box 2
Mouse 88-114 Human 75-101 Consensus	REIRRKLRELQLRNCI REIRRKLRELQLRNCI RXXLXXLXN	RILMGELSNHH RILMGELSNHH RXXLXXLXN

Figure 1 C



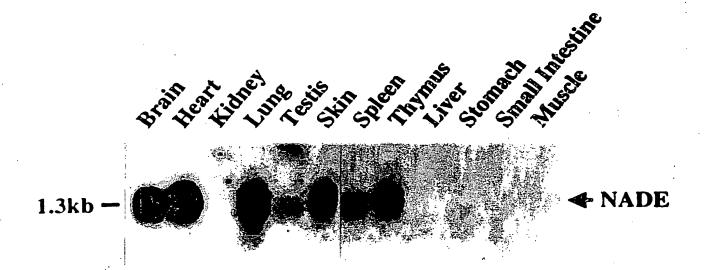
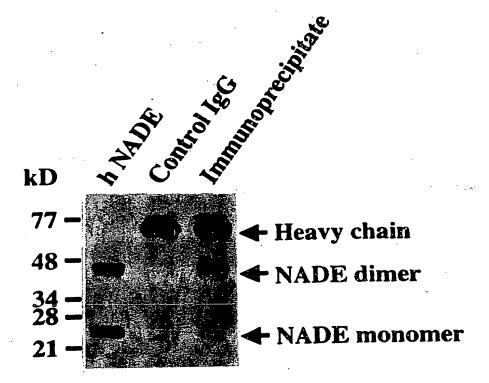


Figure 1D

WO 60/75278

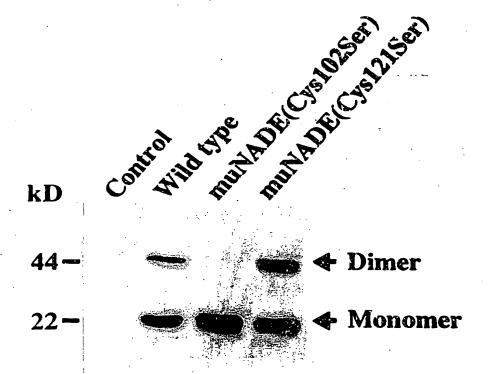
Figure 1E



WO (H)/75278

5/29/1

Figure 1F



WO 00/75278

Mouse

6/29

Figure 1G-1

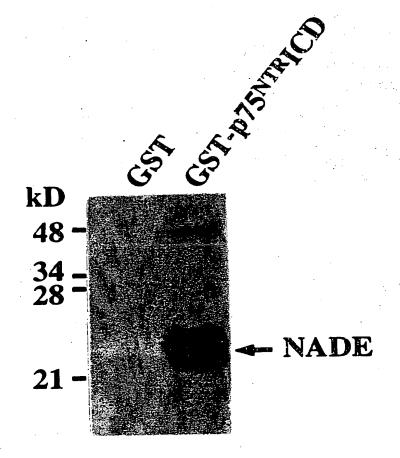
VIOI	use	60
1 61 121 181 241	acgagcgtctggccagcagctcggagctcctctgcgggggggg	
361 421 481 541	accataaccacaccaccaccaccaccaccaccaccaccac	480 540
1	MAN accecateccecactectataceggtectecattttggtgeetgeaaagetetgggaaag aateeegggaaacgaaaaatggtgggtttgggggaagggaggtaaggggagaaagetgga	60 120 180
121 181 241	gggaggggctttaattggaggccccgtagaggacytyggadetaeeeggagcaccaagc acgaaattaaaaaatcctttgatatcagggctctgaatcctgctggtcagagcaccaagc attcagtctctctccttgcctttgtcttacttgtgttcaaagaaaaacaaccagaaaaaa attcagtctctctccttgcctttgtcttacttgtgttcaaagaaaacaaccagaaaaaa	240 300 360
361 421 481	l arggagaggaagaccgccctttgggaggaggtgaaggtcatetggocgataggcagatca l ggggacaggctcgccgacttgcccctaattttcgatgggccatacccaataggcagatca l argatgggatgggtggagatggagatgatatggaaatattcatggaggagatgagagagc	480 540 600
60: 66:	1 cagaagaaaacttagggagttgatgattttgccttatgccttgactcctgccattta 1 coltaatcaccatgaccatcatgatgaactttgccttatgccttgactcctgccattta 1 coltaagagattaatactgtgattcccgctgttttcctttttccttgcattttcctaatatgc 1 coltactgatccgtttgctgtgaaccctatgttatttccatgtgtcaagtgggtcttgtg 1 coltactgatccgtttgaagattgcctttgcactcagtgtaagtttccgtcagcagtagc	720 780

Figure 1G-2

MEQPL-QNOQEDRPVGGGEGHQPAAANAWAAANAMAAHAHAHAHAHARGQAR RLAPNFRWALPNRQM N---DGLGGDGDDME --- GGNVKGVWA PPAPGFGEDVPNRLV D-NIDMIDGDGDDME **EPQARMREENMERIG** RLAPNFRWAIPNROI N---DGWGGDGDDWE OPIAHYRWDIANORVG EPOGRMREENVORFG **EPOARMREENMERIG EPOGRMREENVORFG** D----HSEGGEEVG RLAPNFRWA! PNROM QPILQYRWDIMHRLG QPILQYRWDIMHRLG **OPISHYRWDLAMIRVG** --GGNVRRKVR RLVPNFLMAIPNRHV --GGNVRRKVR RLVPNFLMAIPNRHV --GNRRGQAR NVHQENEEMEQPL-QNGQEDRPVGGGEGHQPAANANANANAHAHAH------RRGQAR -- CENTREPERVR -CANRAPFPVR -GGRRRFRVR --GGRRRFRVR 150 151 60 61 MESKEERALANLIVE NVNQENDEKDEKE-QVANKGEPL-ALPLAVS EYCVPR-musnadeja MESKD-QGVKNIAME NDHQKKEEKEEKP-QDTIRREPAVALISEAG KNCAPR--KNCAPR-NANGEN---EEKE-QVANKGEPL-ALPLDAG EYCVPR-KDKKNKKGGKASK-QSEEES---HILEEVEN KKP--musnadejb maskykqvildijyk kokkokrockask-qseeep---hhleeven kkp---MA NIHQENEEMEQPM-QNGEEDRPLGGGEGHQPA ----125 5 135 136 ma nvhoeneebeopl-cargedrevggesproge mb nvpkenkvvekapvon--eapalggesvoep MESKD-QGAKNIANE NDHQKKEEKEEKP-QDTIKREPVVAPTFEAG QQVRPYRRERTPEPD NHYD ---- FCLIP MEMBEMBEIRRIAB LOLANCIRILMGELS NAIDHODEPCIMP RPMEEMRELARKIRE LQLAYSLAILIGDPP -HHDHHDEPCIMP 1 musnadela GDVRQLAB---KLRB RQLSHSLRAVSTDPP- HADHADEFCLAP REVROLAE----KLAR KOLSHSLRAVSTDPP -HIDHIDEFCLAP NATIONALDEPOLAP LOLANCLATINGELS NAMIDANDEFCLAP RQLSHSLRAVSTDPP -HIDHIDEFCLAP NAYD----FCLIP -HEDIEDERCLAR 120 121 QOMREYTRERTPEPD LOLRNCLRILMGELS REVROLME---KLRE KOLSHSLRAVSTDPP 105 106 HEMEEMREIRRKLAR IFMEEMREIRRKLAB EDMRQ1AG---XLRE RFVGQVMEAKRKSKB REVVQGTEVKRKTTE MASKVKQVILDLTVE MESKEKRAVNSLSME rathad3b ratnad3a musnade3b humade2 hunade3a2 humadel ratnadel misnade1 ratnad3a hunade3a1 ratnad3b hunade3a1 hunade3a2 musnade1 humnadel ratnadel humade2 Page 2.1

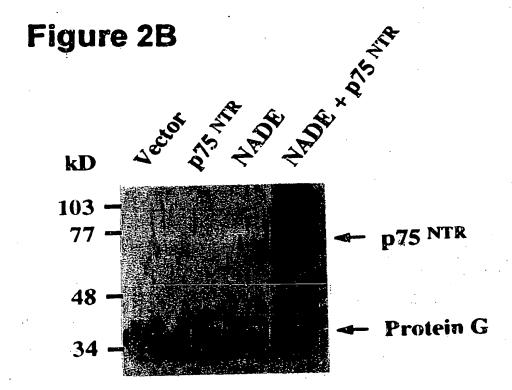
Figure 11

Figure 2A



WO 00/75278

8/29/1



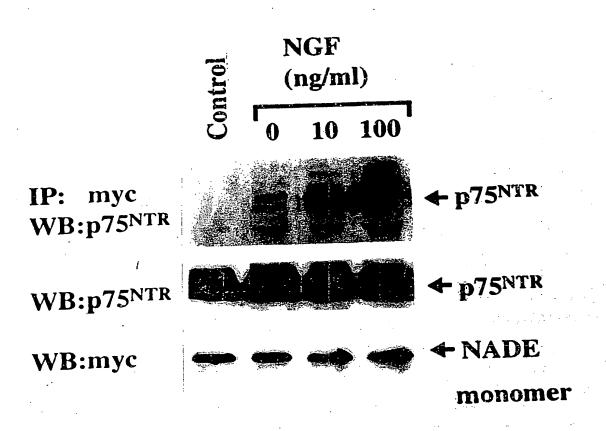


Figure 2C

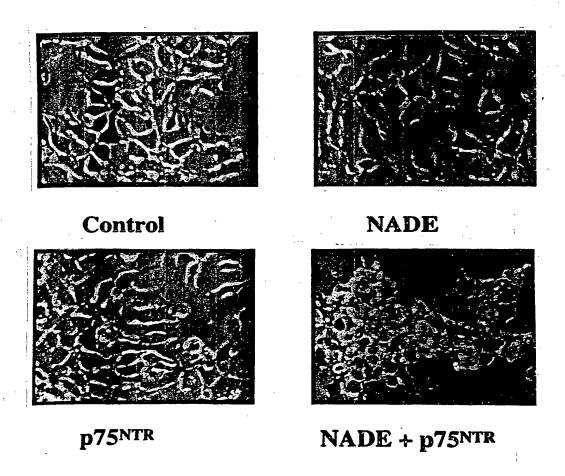
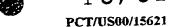
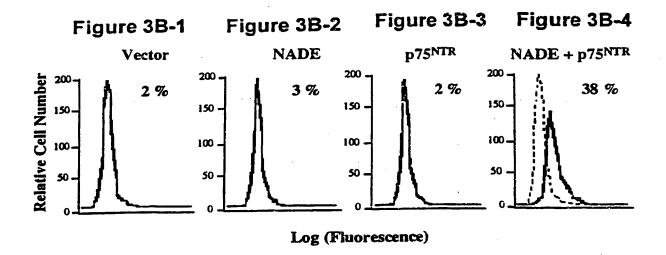


Figure 3A





PCT/US00/15621

12/29

Marketor ATADE DE X PISHIN

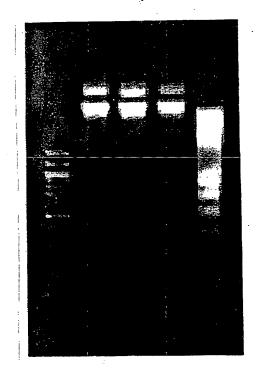


Figure 3C

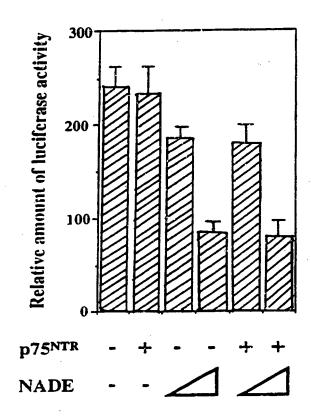


Figure 3D

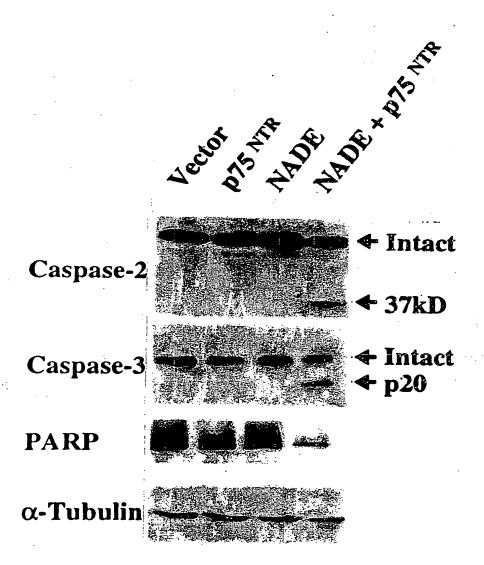
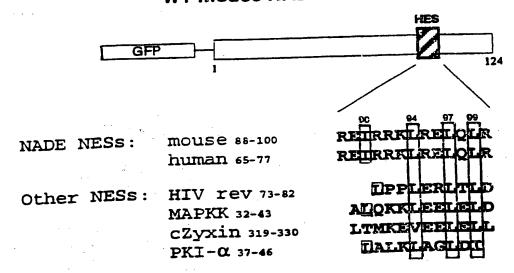
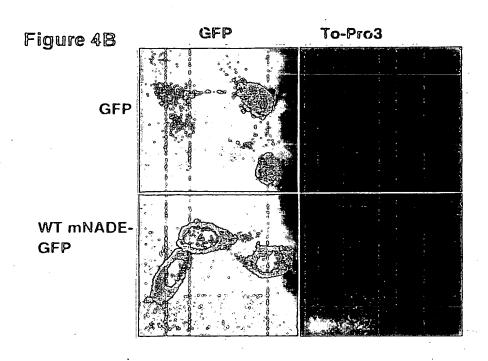


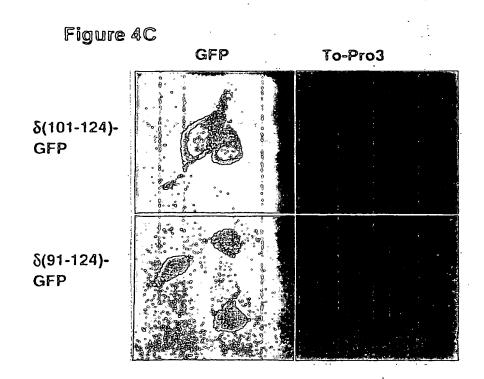
Figure 3E

Figure 4A WT mouse NADE-GFP

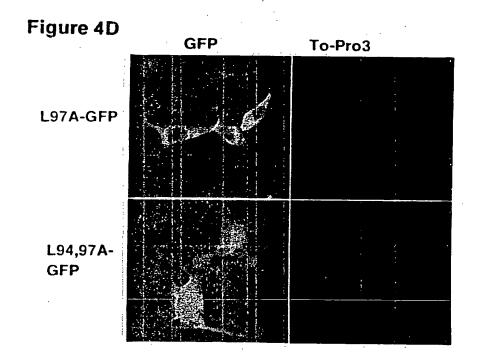


PCT/US00/15621



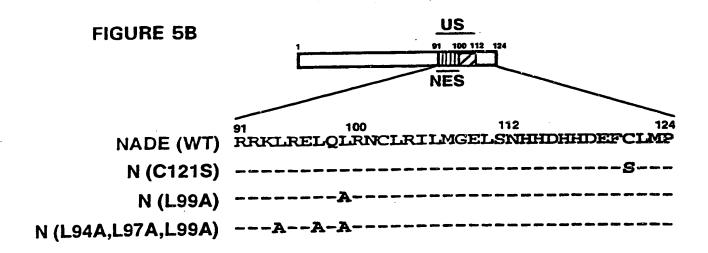


16/29/1



PCT/US00/15621

	17/29
FIGURE 5A	<u>_us_</u>
NADE (WT)	91 100 112 124 NES
N (1-120)	
N (1-112)	
N (1-100)	
N (1-90)	
N (1-71)	
N (1-60)	
N (1-20)	
N (41-124)	
N (81-124)	
N (101-124)	
N (41-71)	





NGF -

NGF +

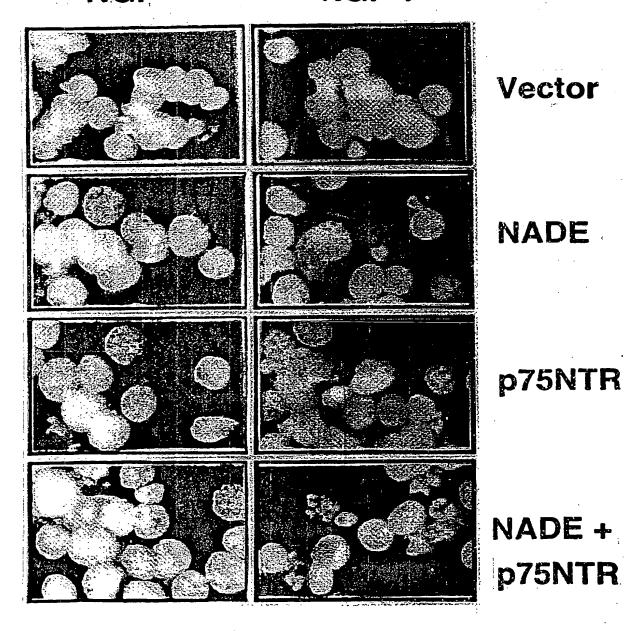


FIGURE 6A

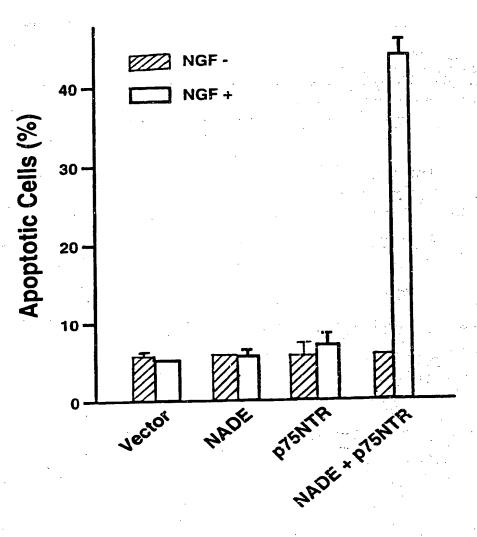


FIGURE 6B

20/29

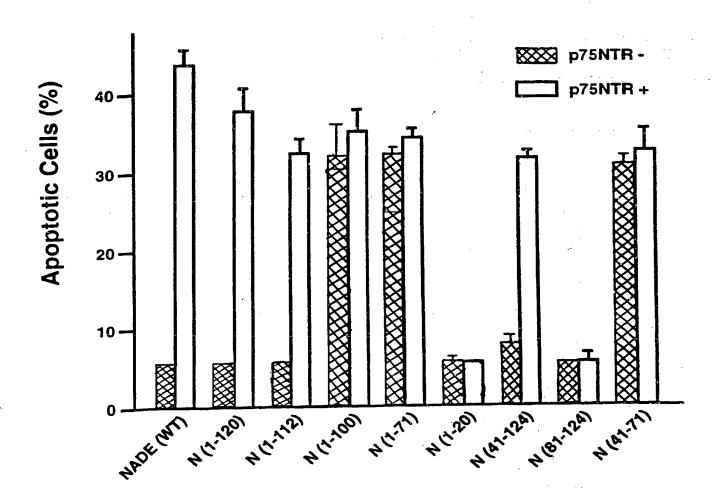
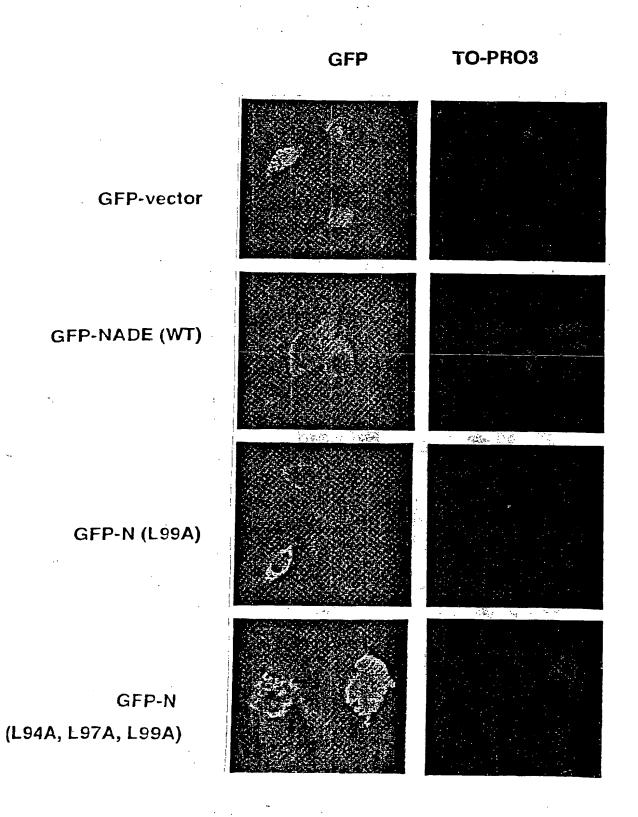


FIGURE 7

NADE NESs:	mouse 88-100	REIRRKLREIQIR
	rat 84-96	RETRRELOIR
	human 65-77	REIRRKI REI QI R
Other NESs:	PKI 37-45	IALAGIDIN
	HIV rev 73-82	LP-PLERLTLD
	MDM2 197-206	L-SFDESLALC
	MAPKK 32-43	MICKKLEELELD

FIGURE 8A

22/29 Figure 8B



SUBSTITUTE SHEET (RULE 26)

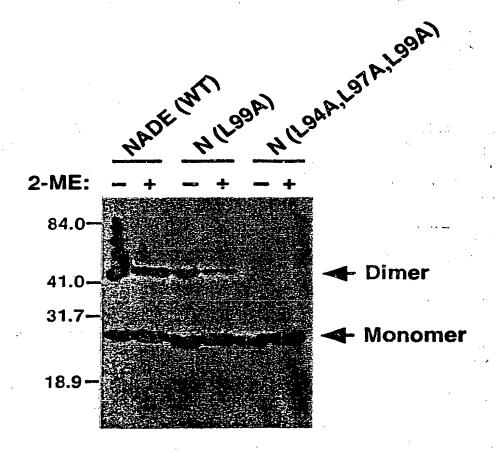


FIGURE 8C

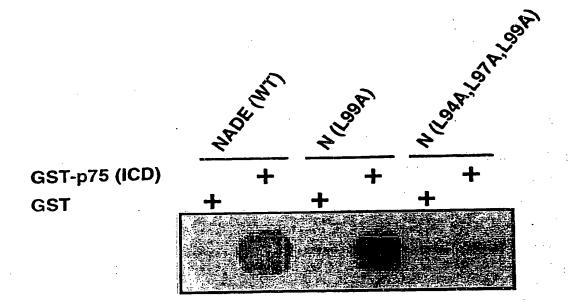


FIGURE 8D

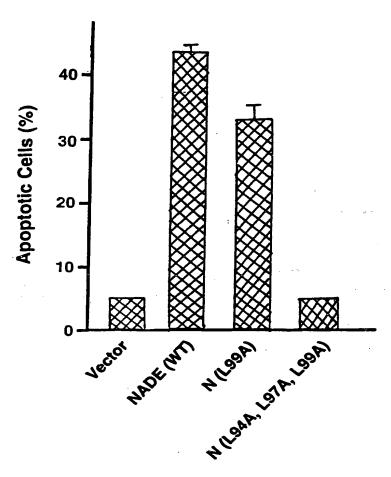


FIGURE 8E

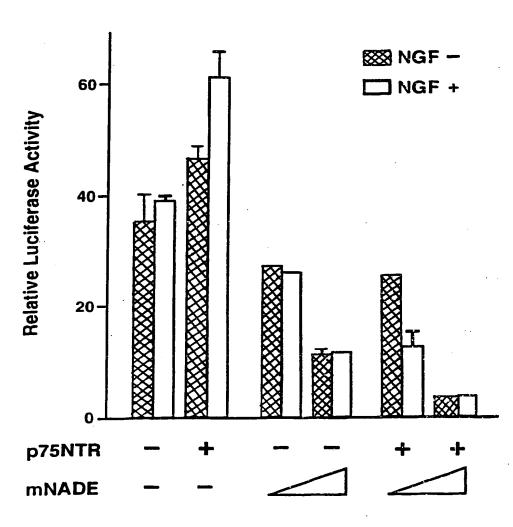
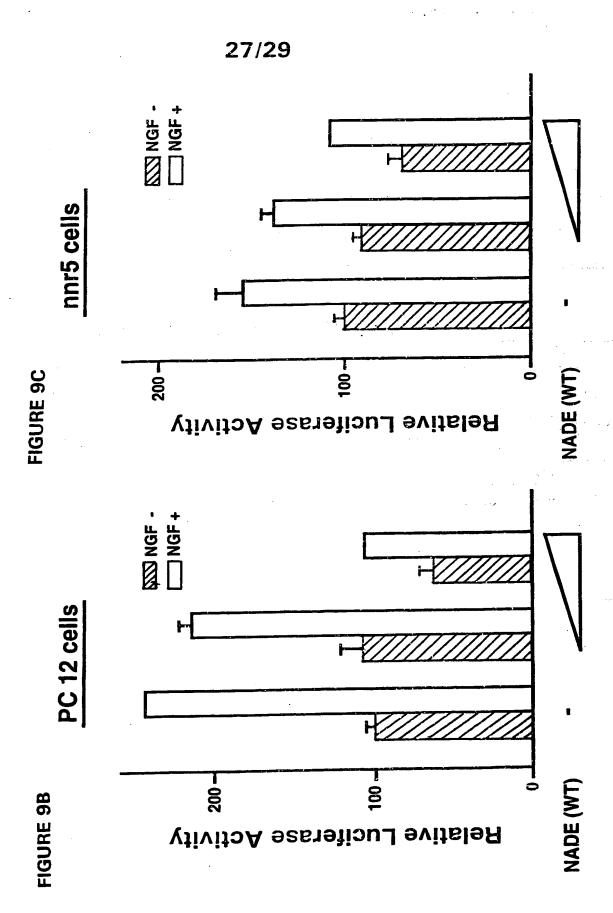


FIGURE 9A

PCT/US00/15621



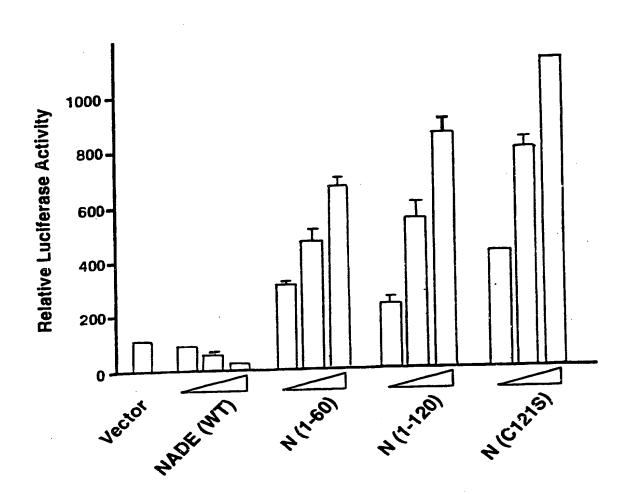


FIGURE 10



